

Title: NOVEL ESTER DERIVATIVES OF
BUPRENORPHINE AND THEIR PREPARATION
PROCESSES AND LONG ACTING
ANALGESIC PHARMACEUTICAL
COMPOSITIONS

Inventor(s): Jhi-Joung WANG
DOCKET NO.: 089048-0299

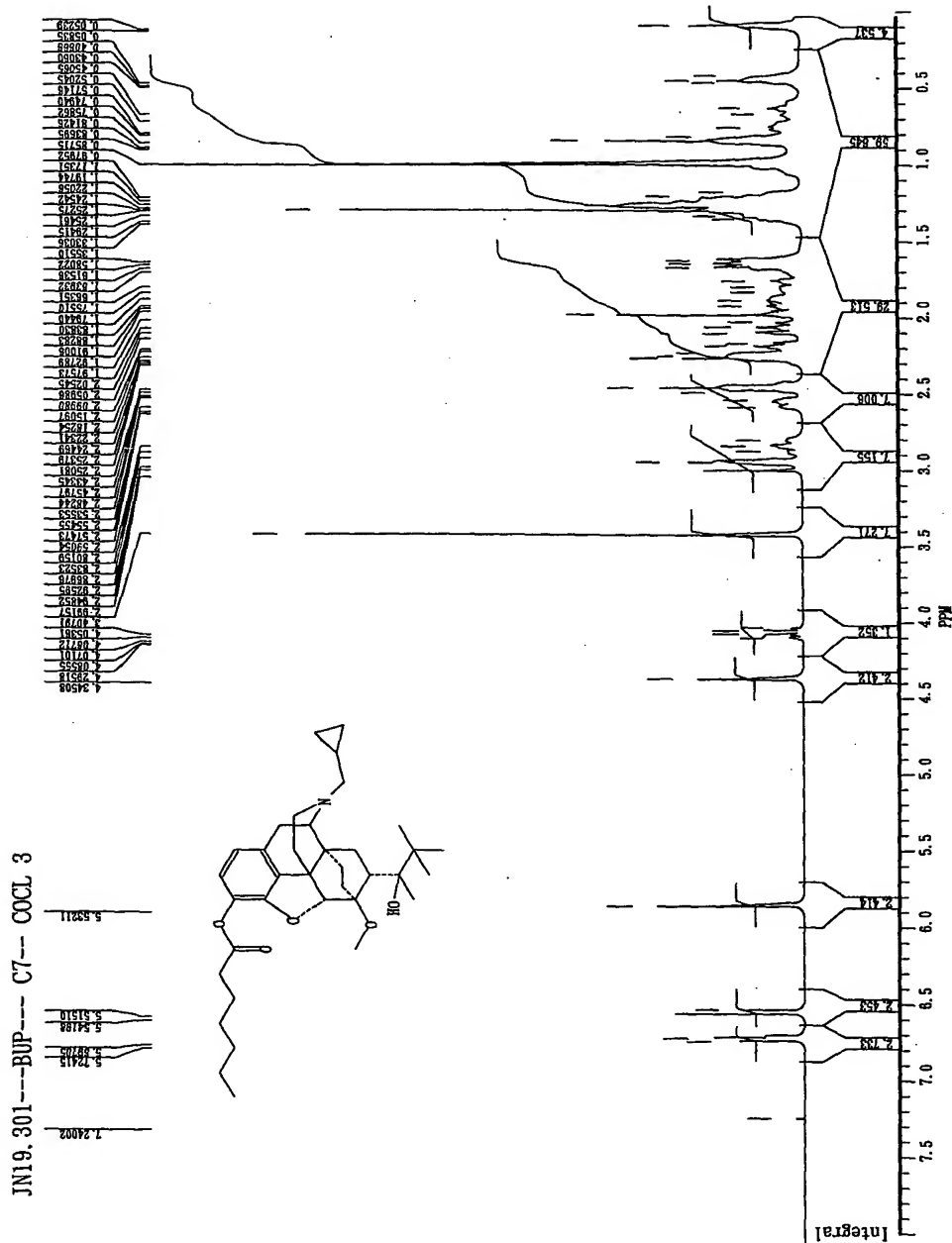


FIG. 1

BUPRENORPHINE AND THEIR PREPARATION
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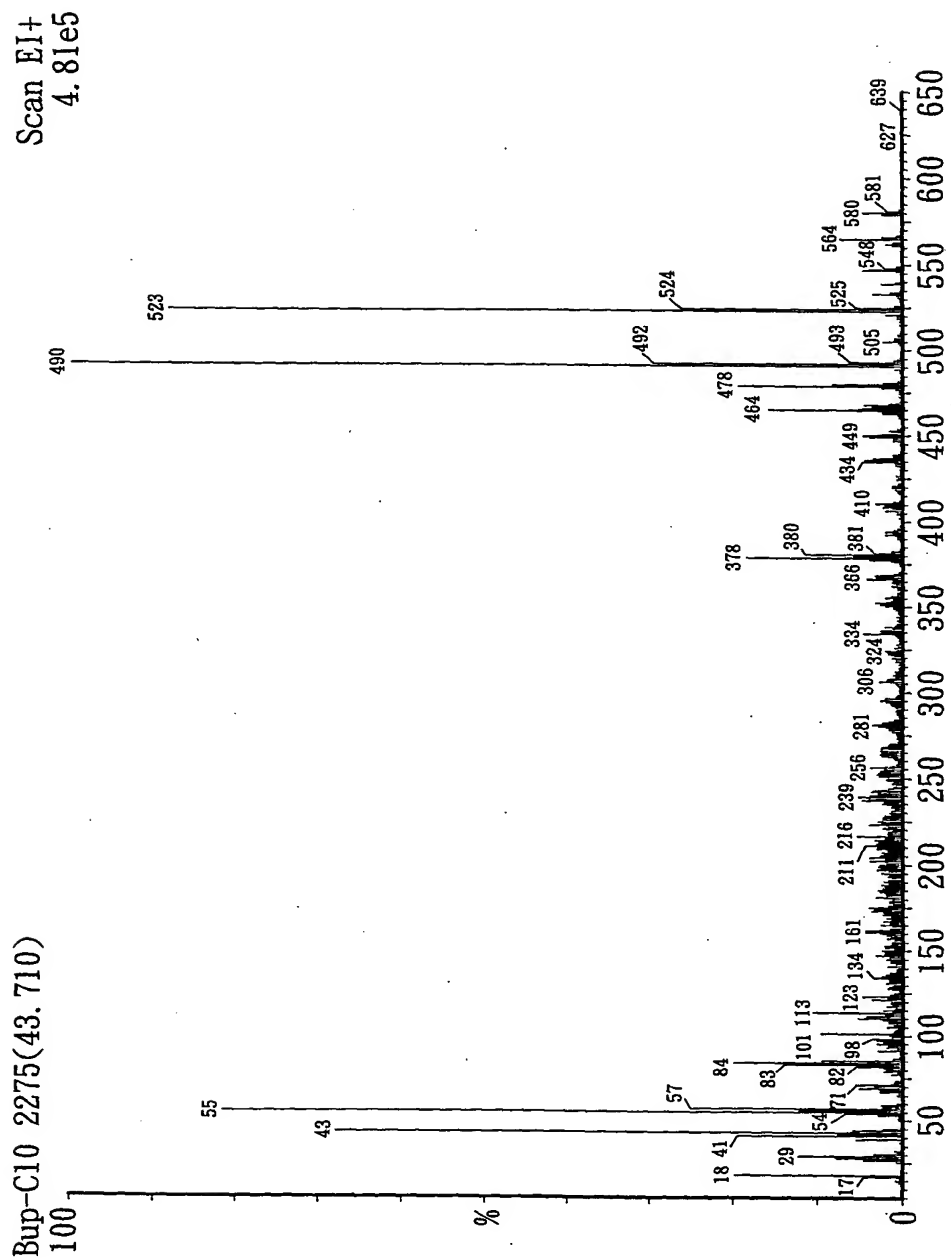
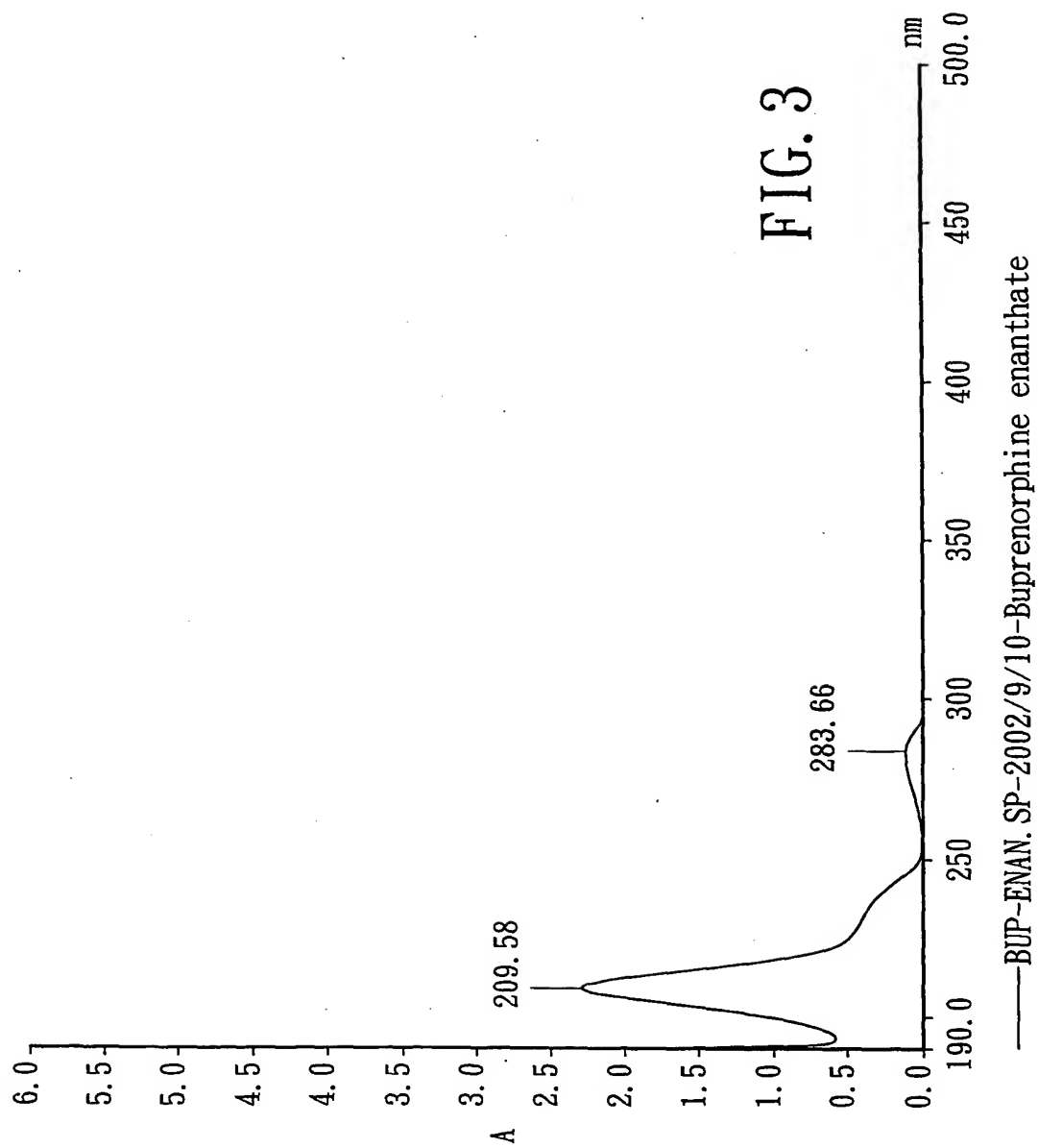


FIG. 2

BUPRENORPHINE AND THEIR PREPARATION
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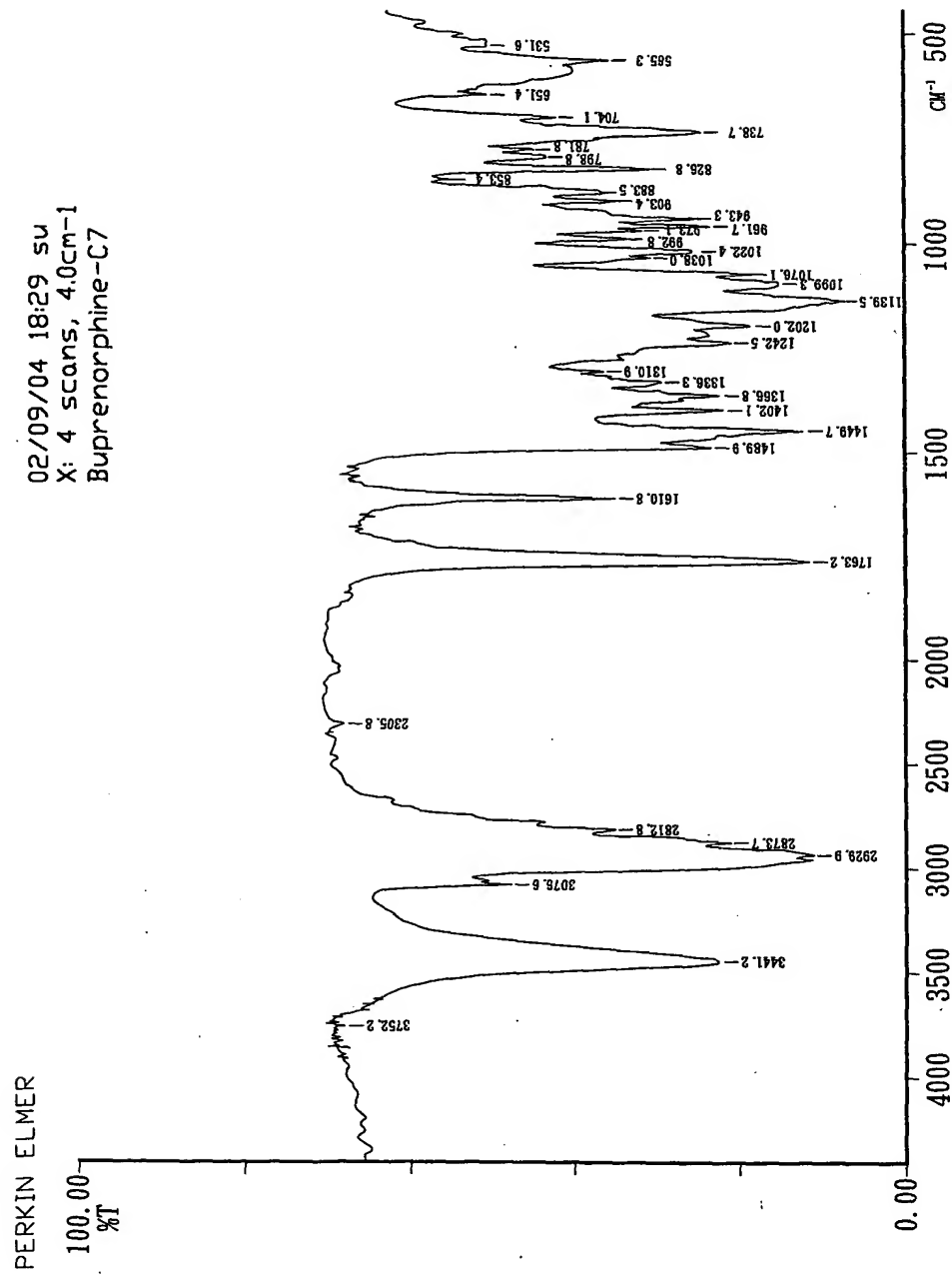


FIG. 4

THE NOVEL ESTER
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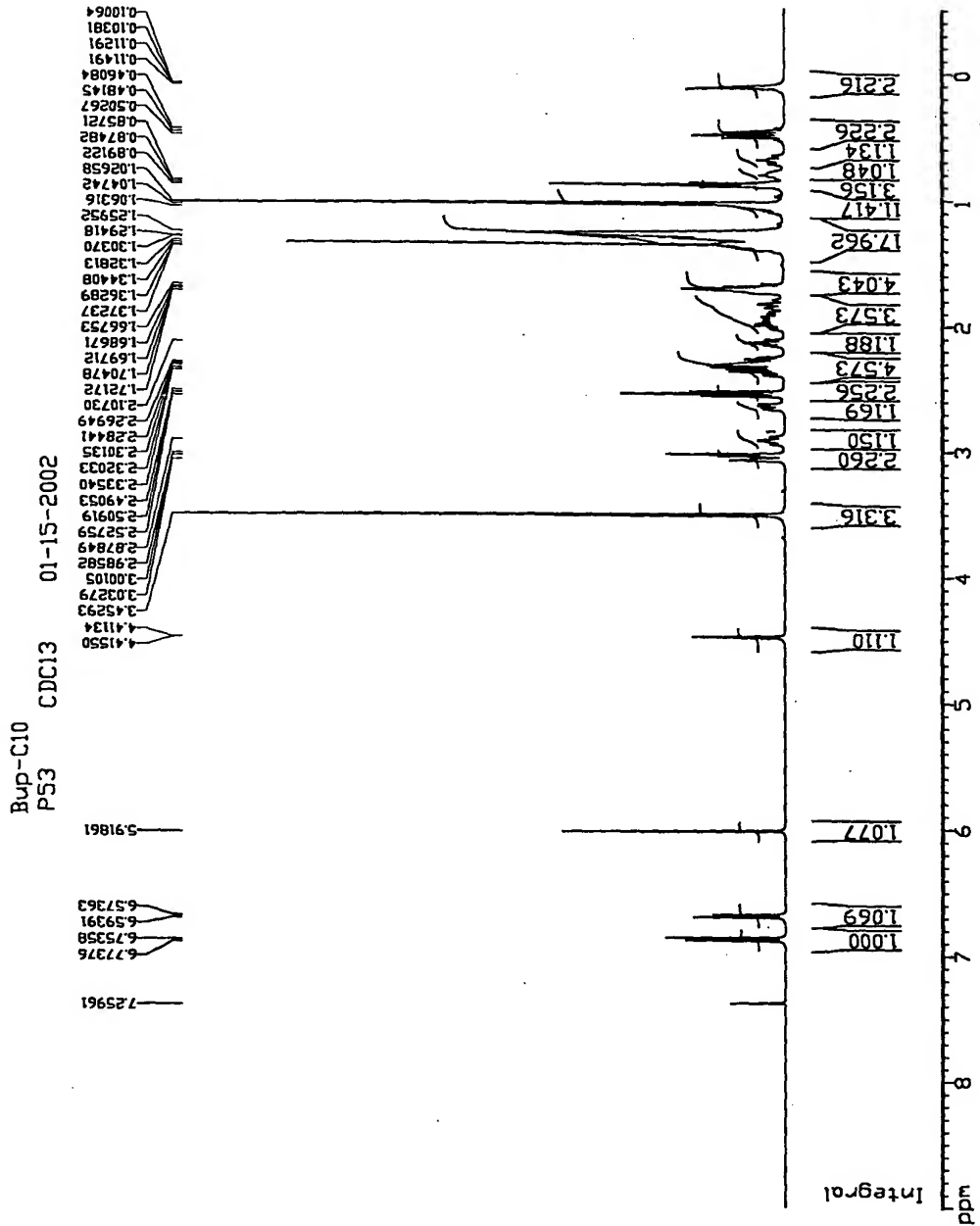


FIG. 5

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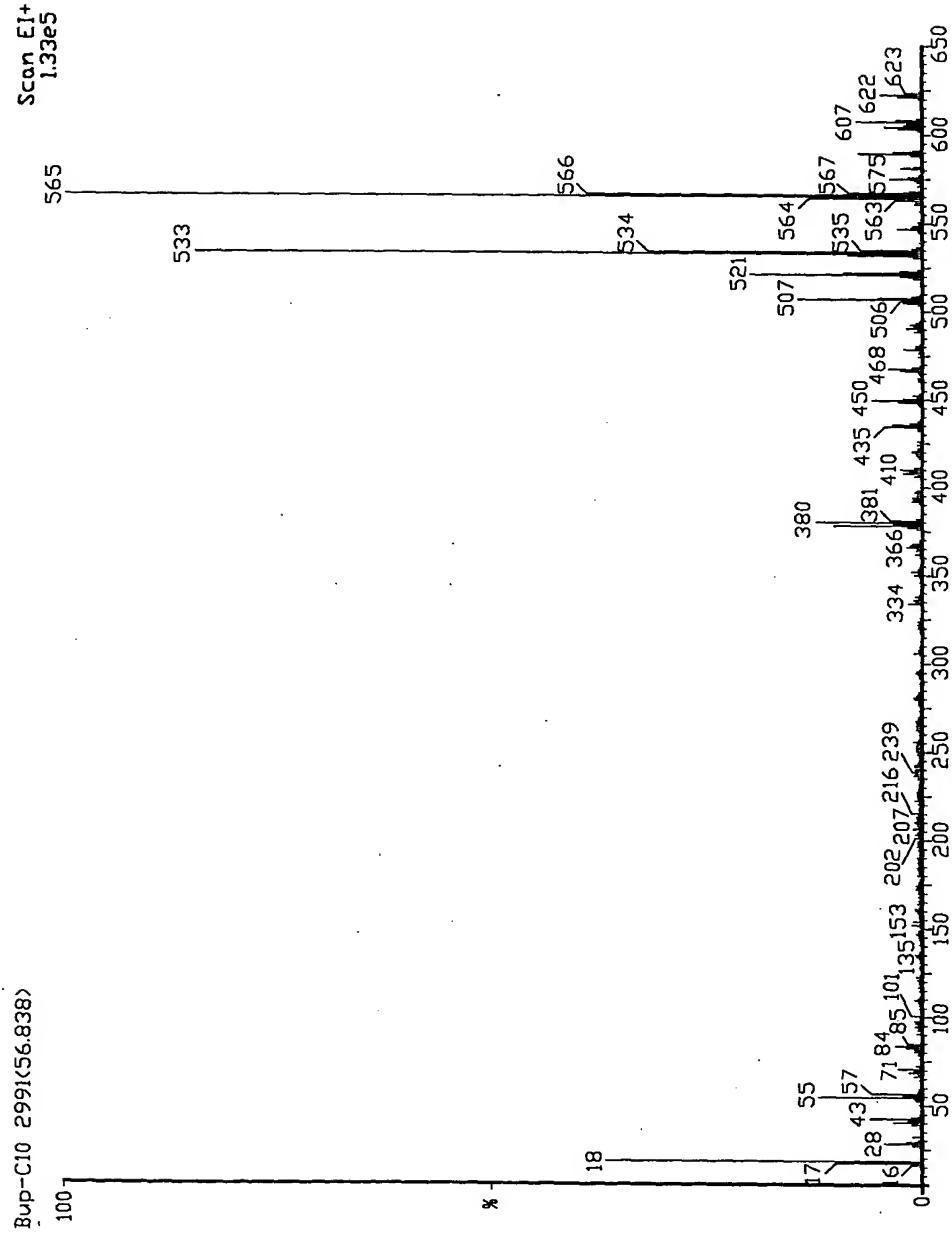
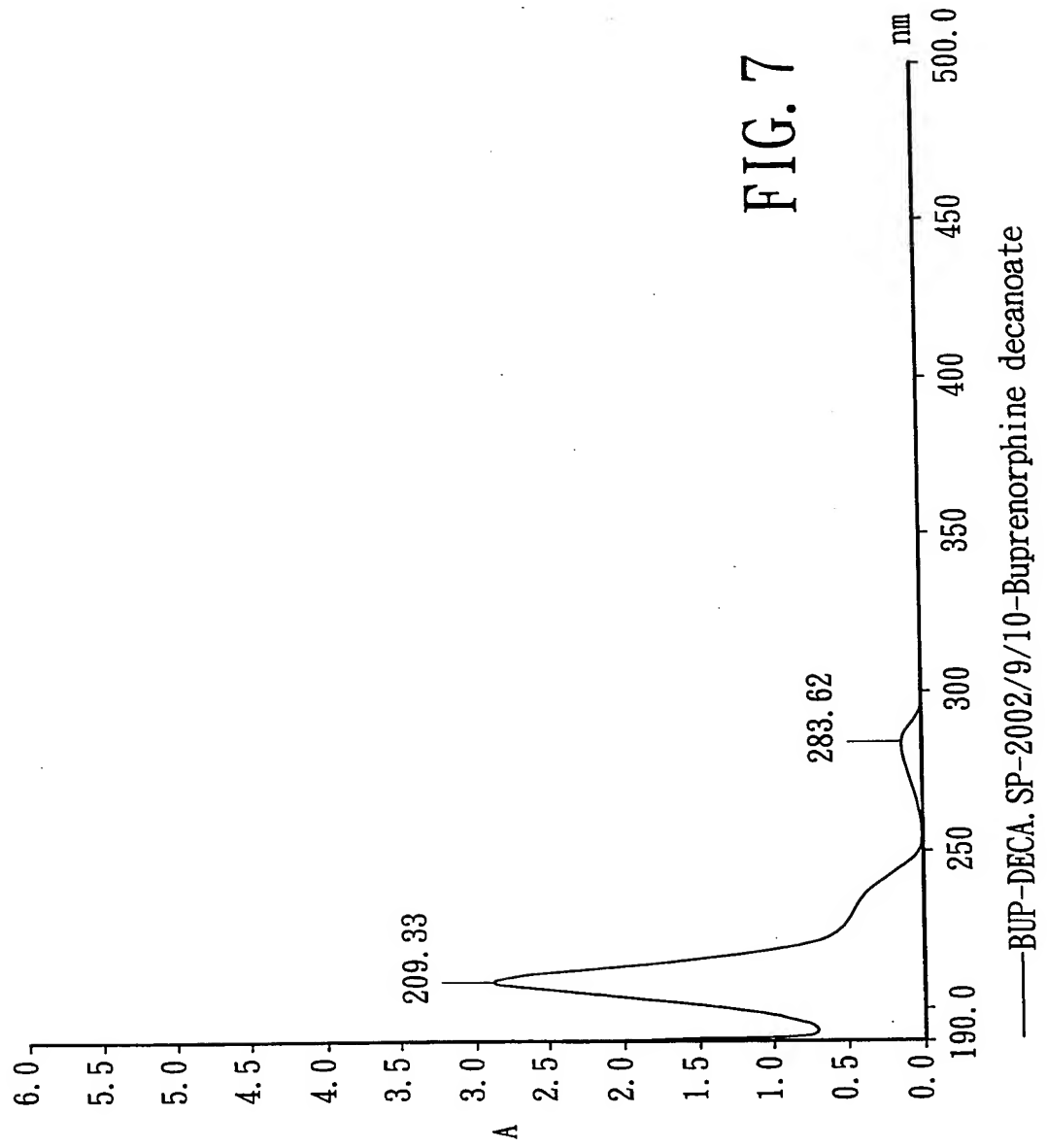


FIG. 6



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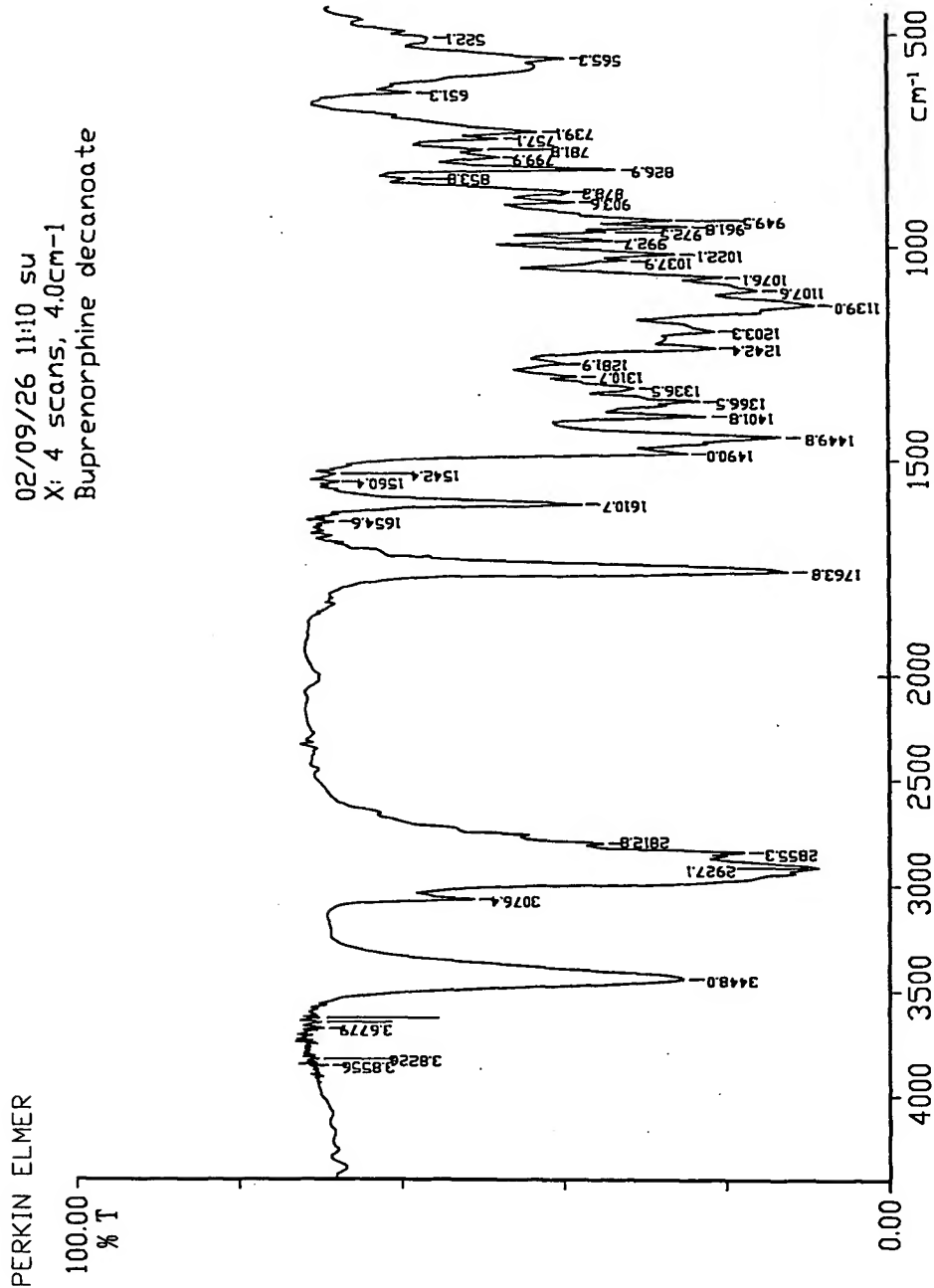


FIG. 8

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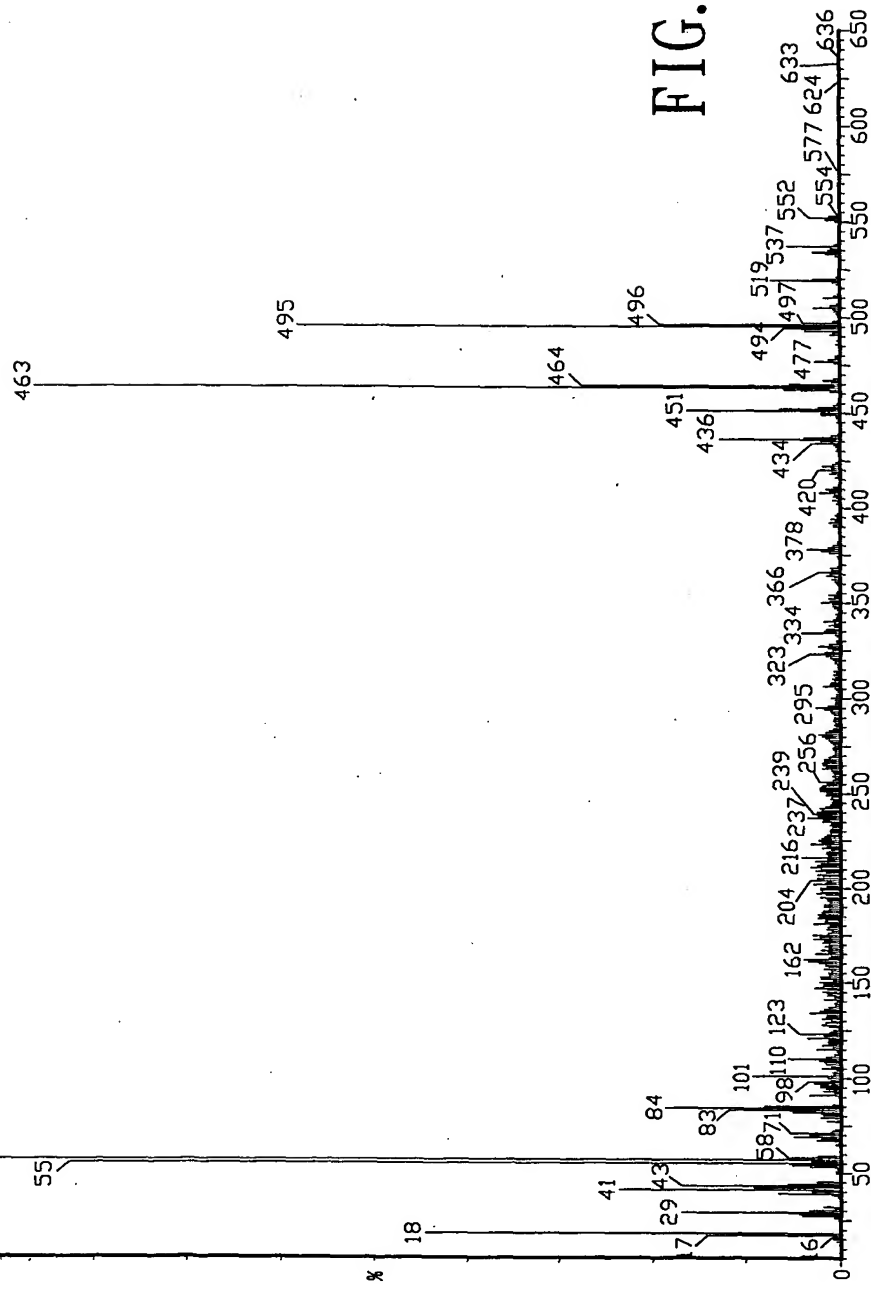
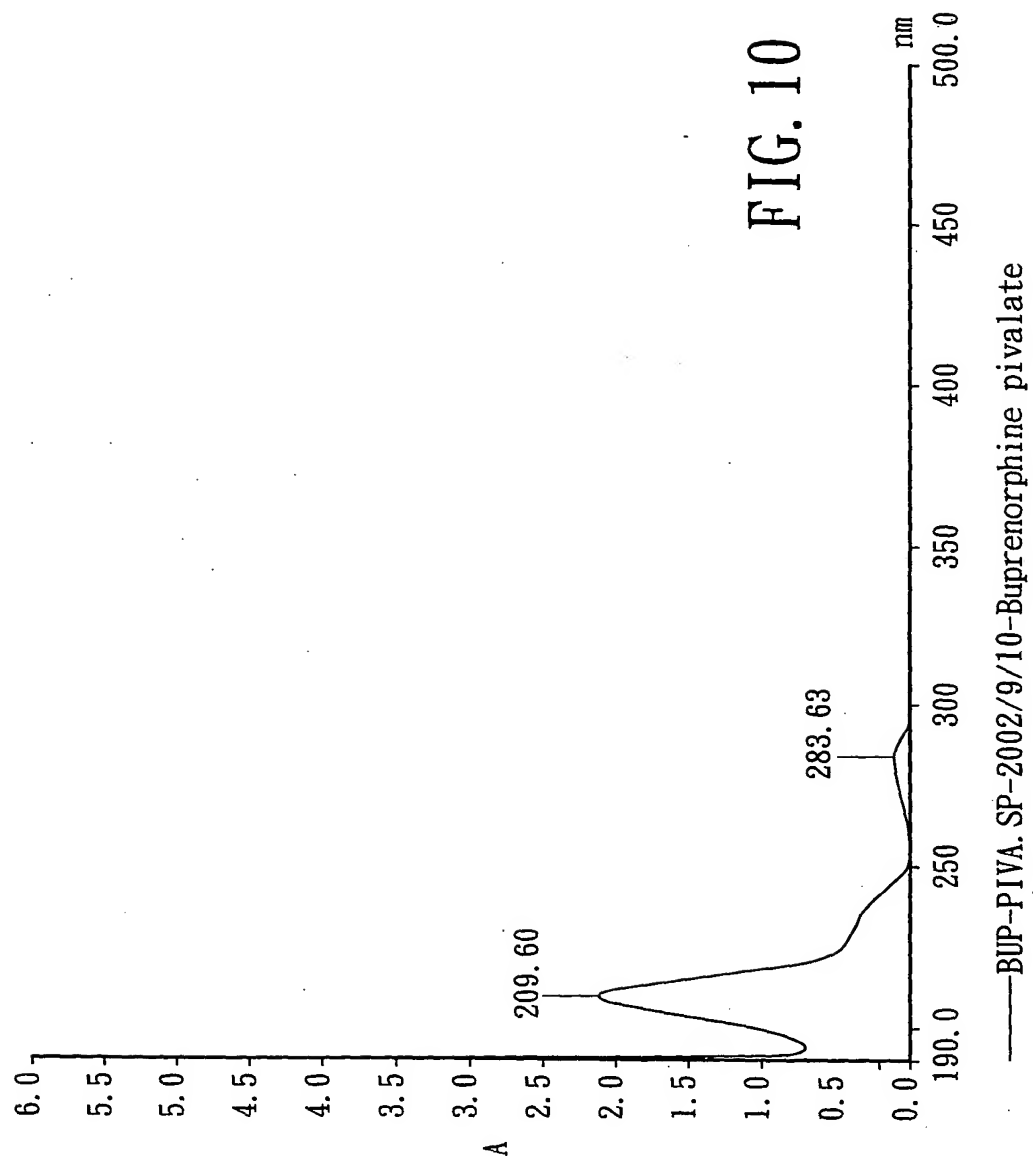


FIG. 9



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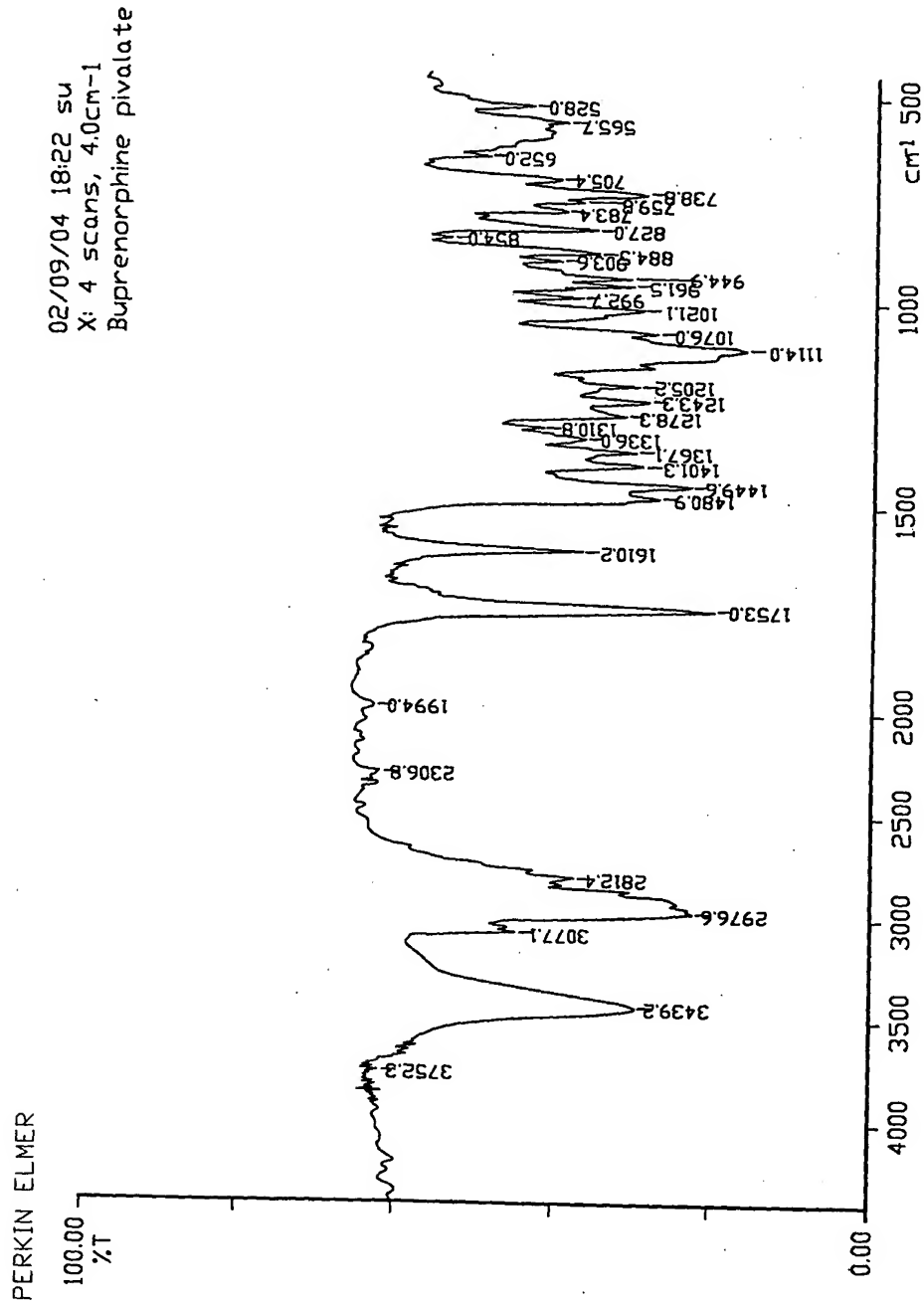
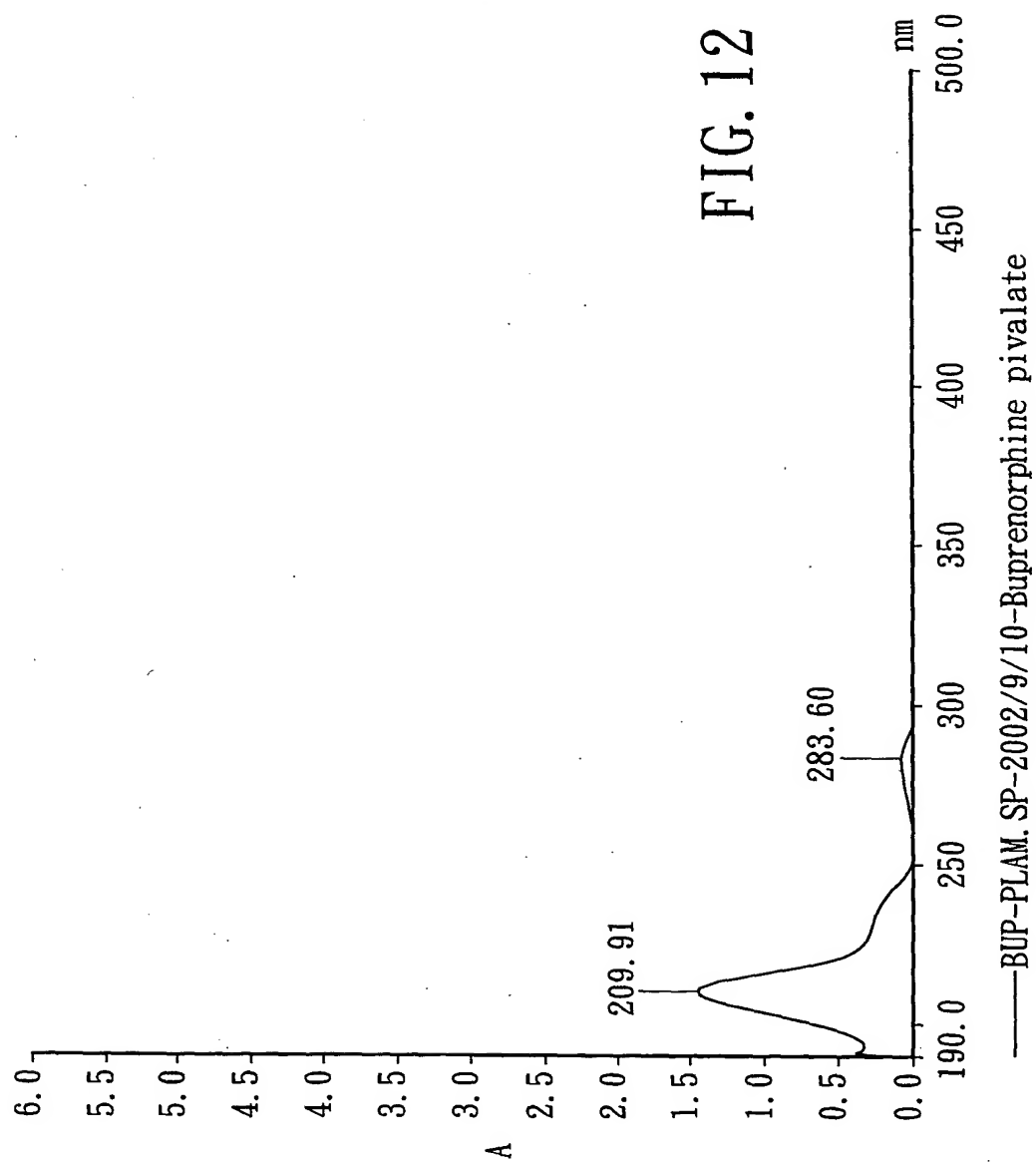


FIG. 11

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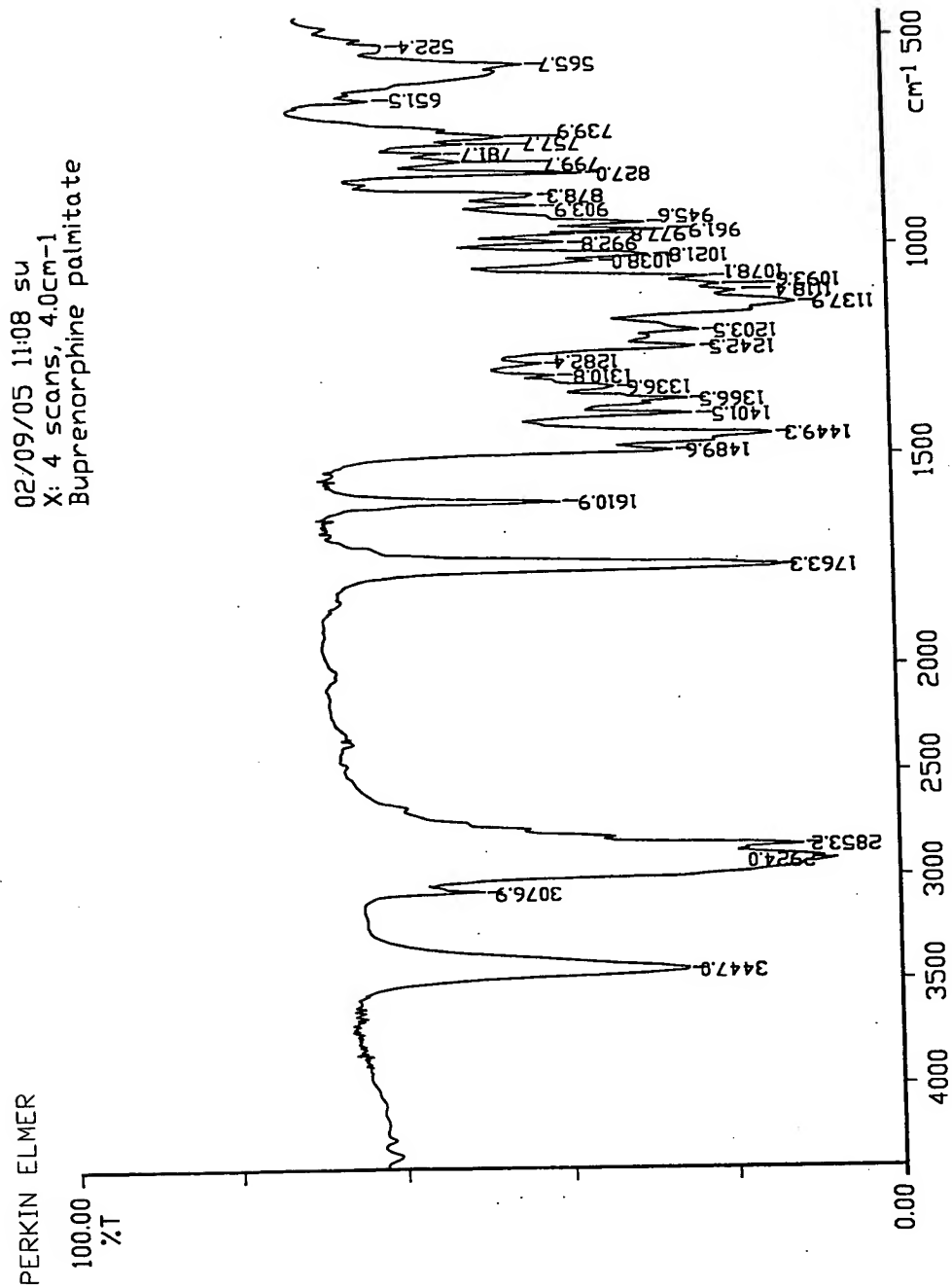


FIG. 13

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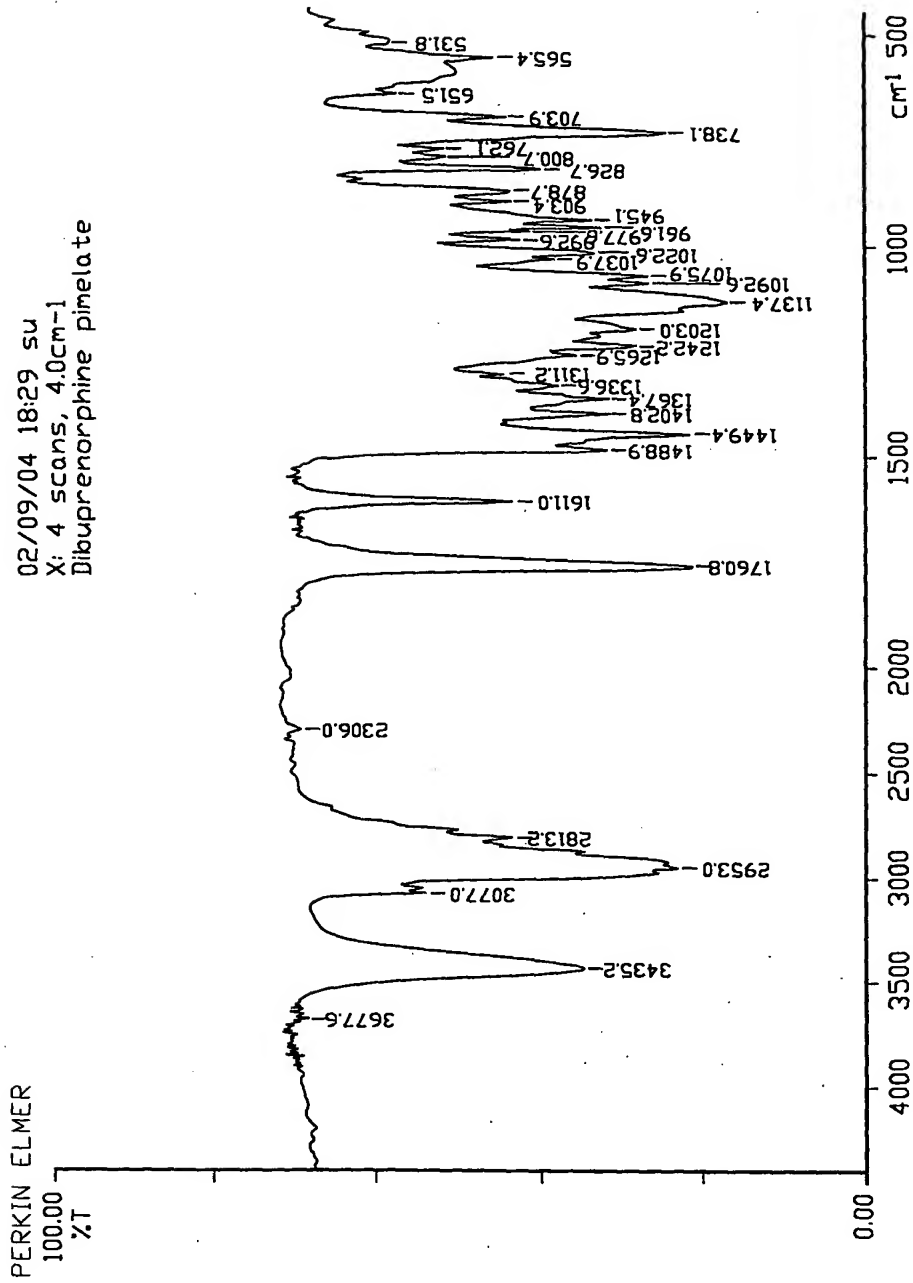
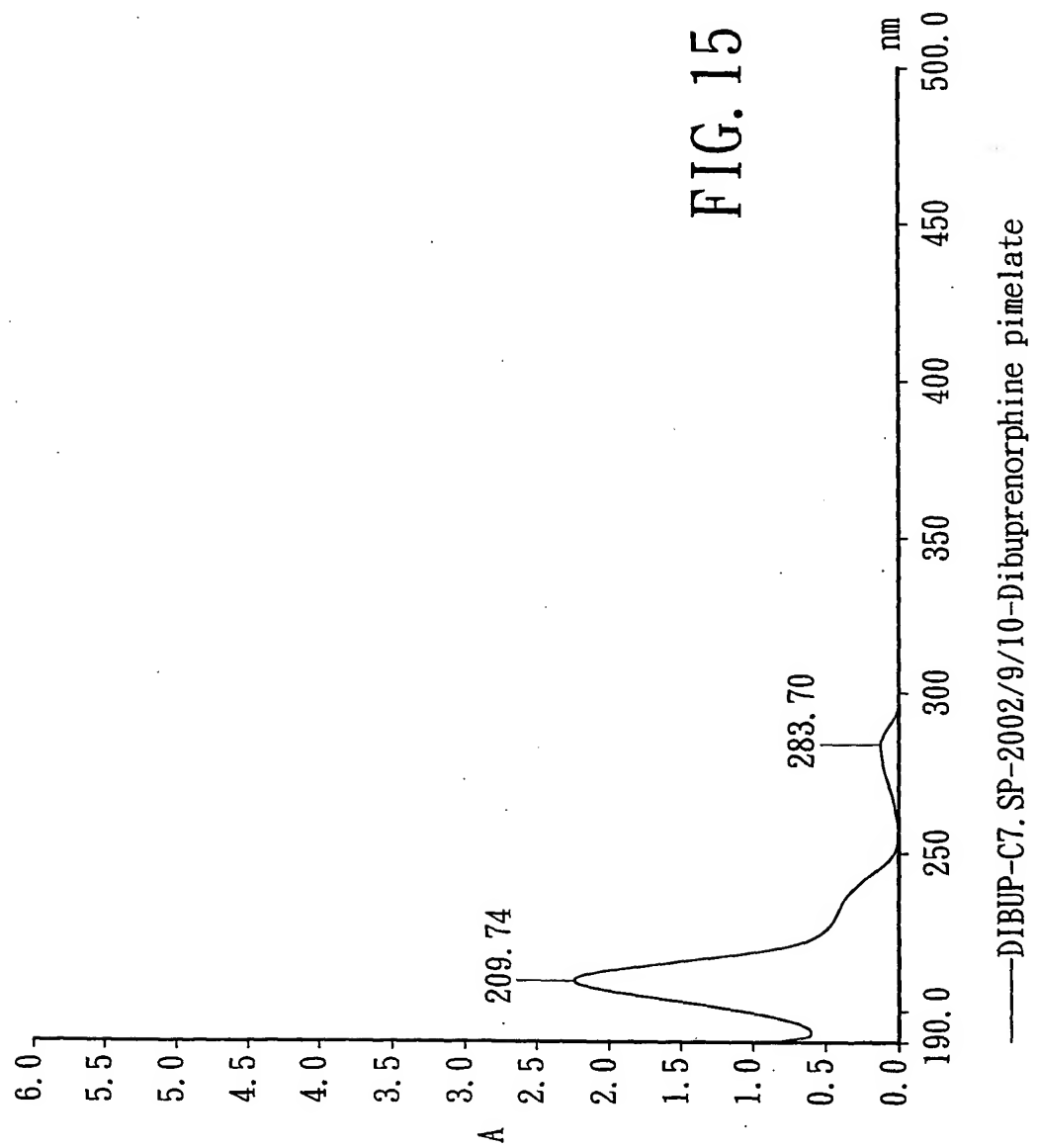


FIG. 14



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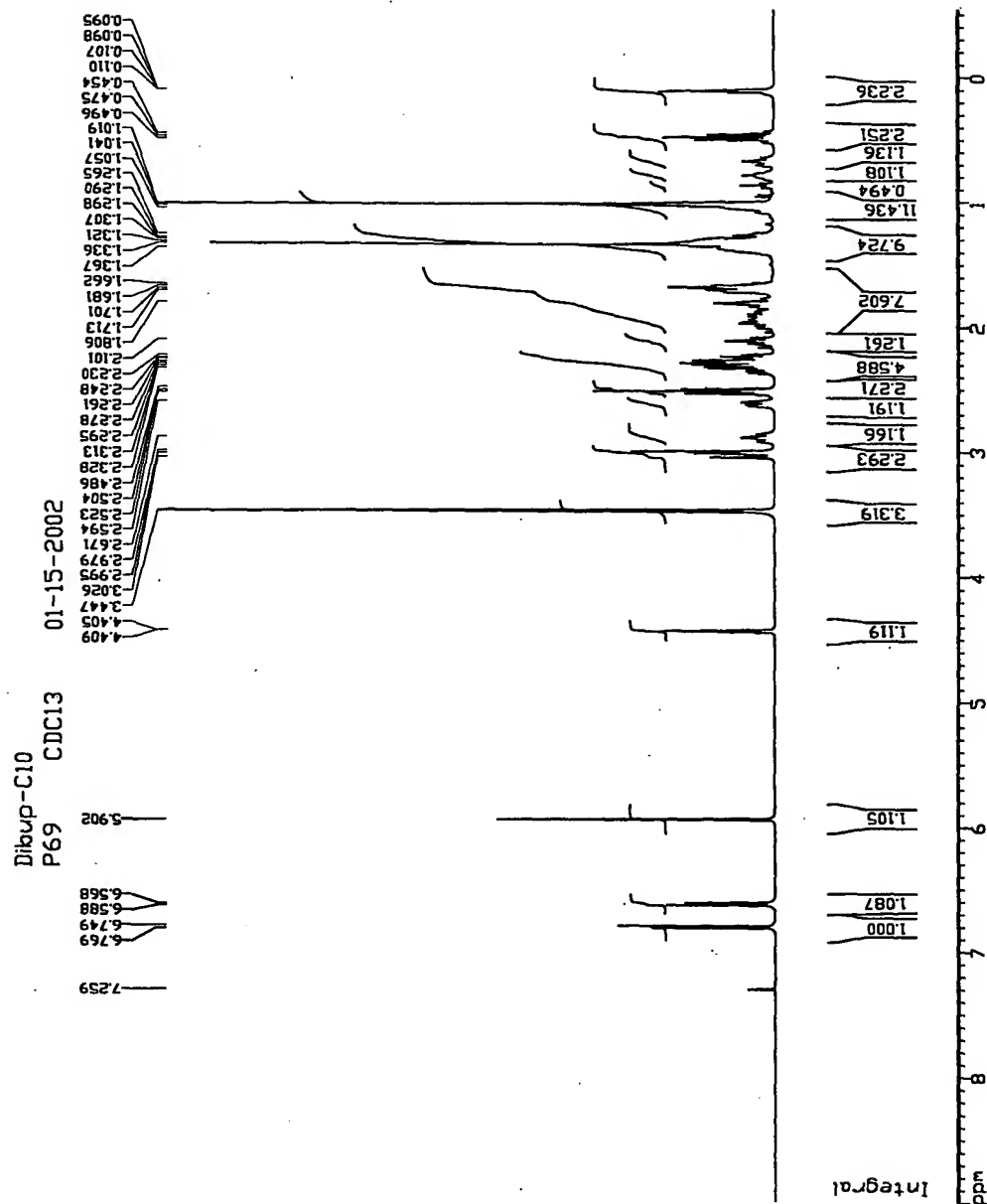
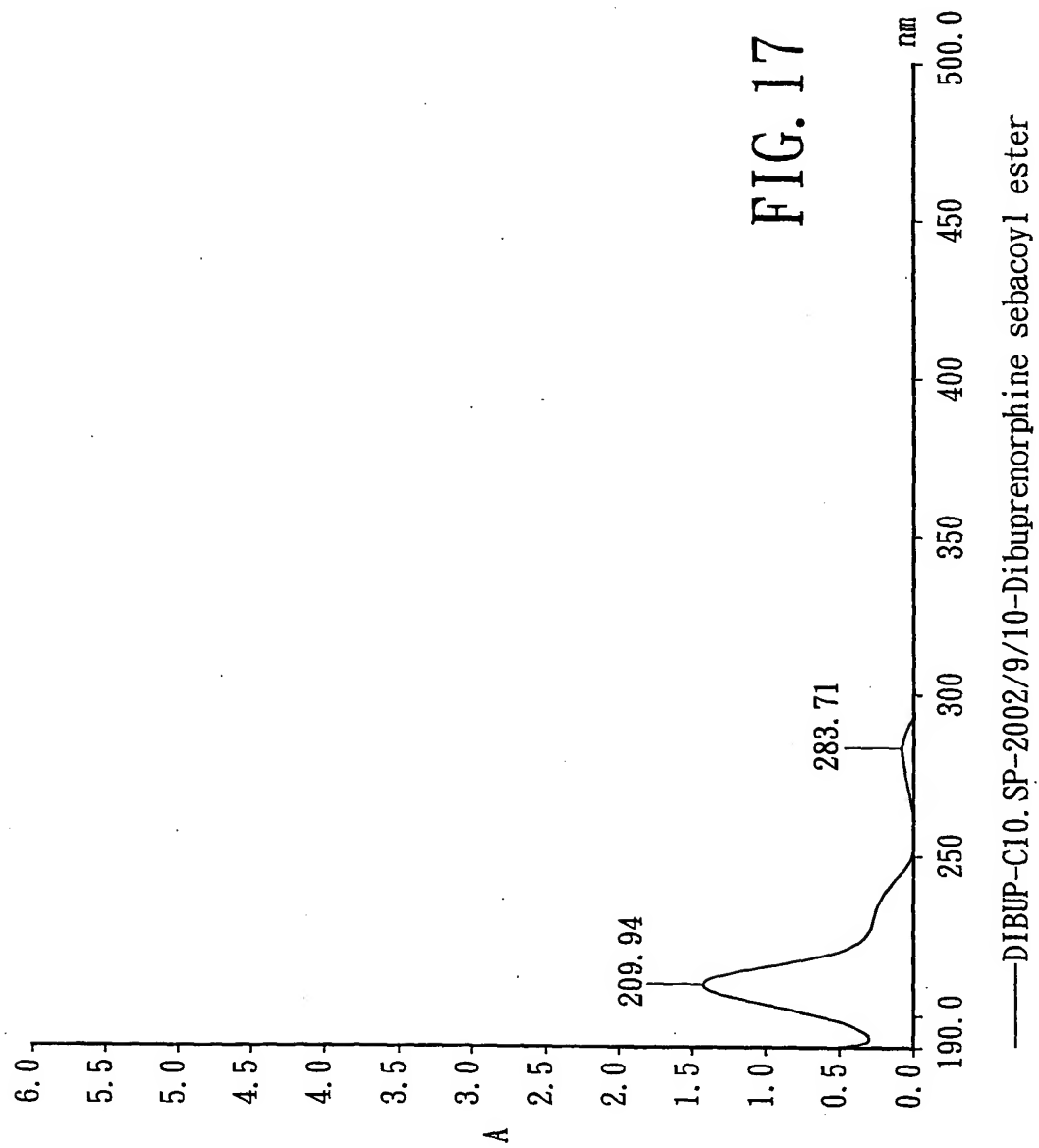


FIG. 16

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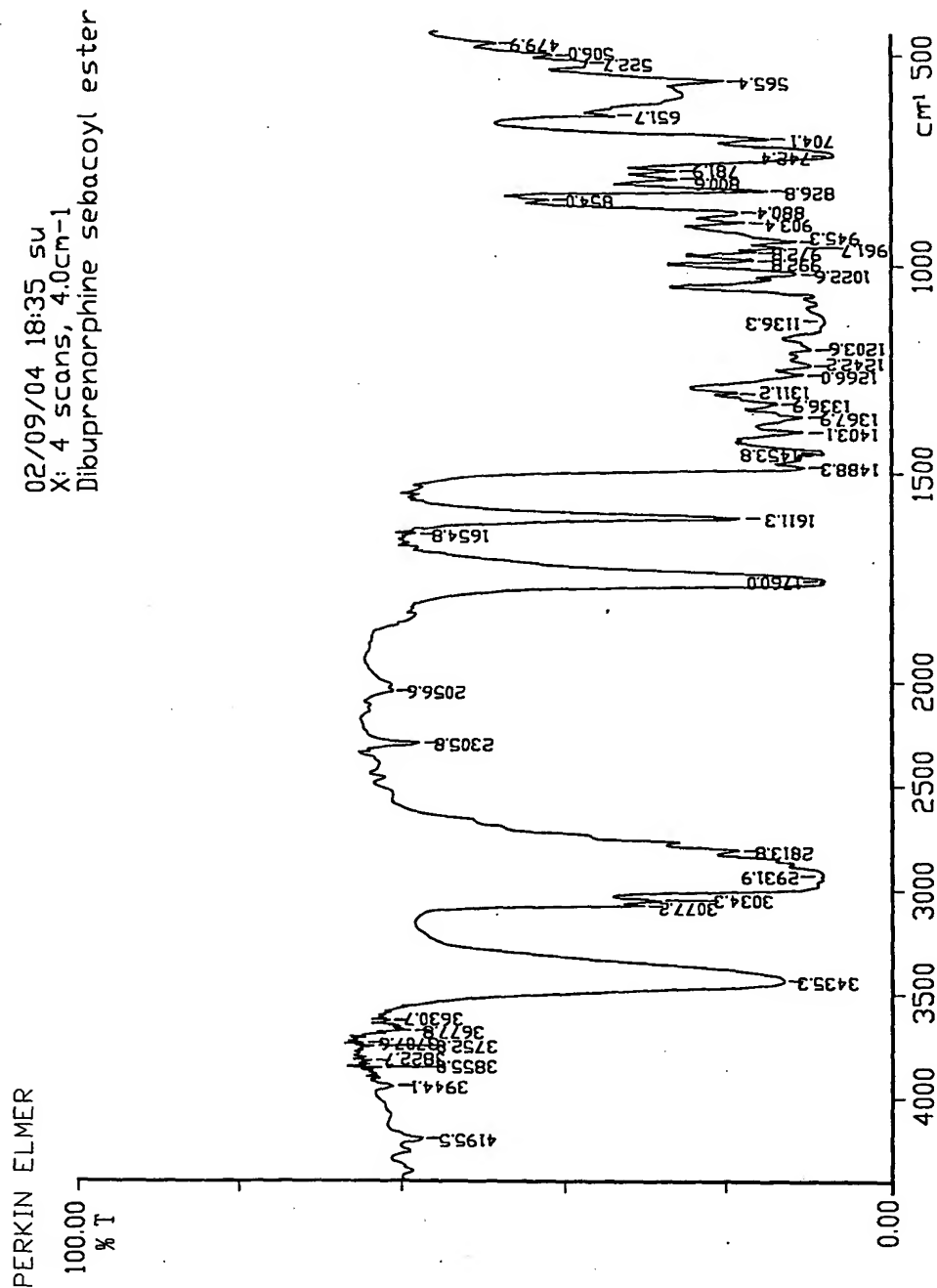


FIG. 18

FIG. NOVEL ESTER
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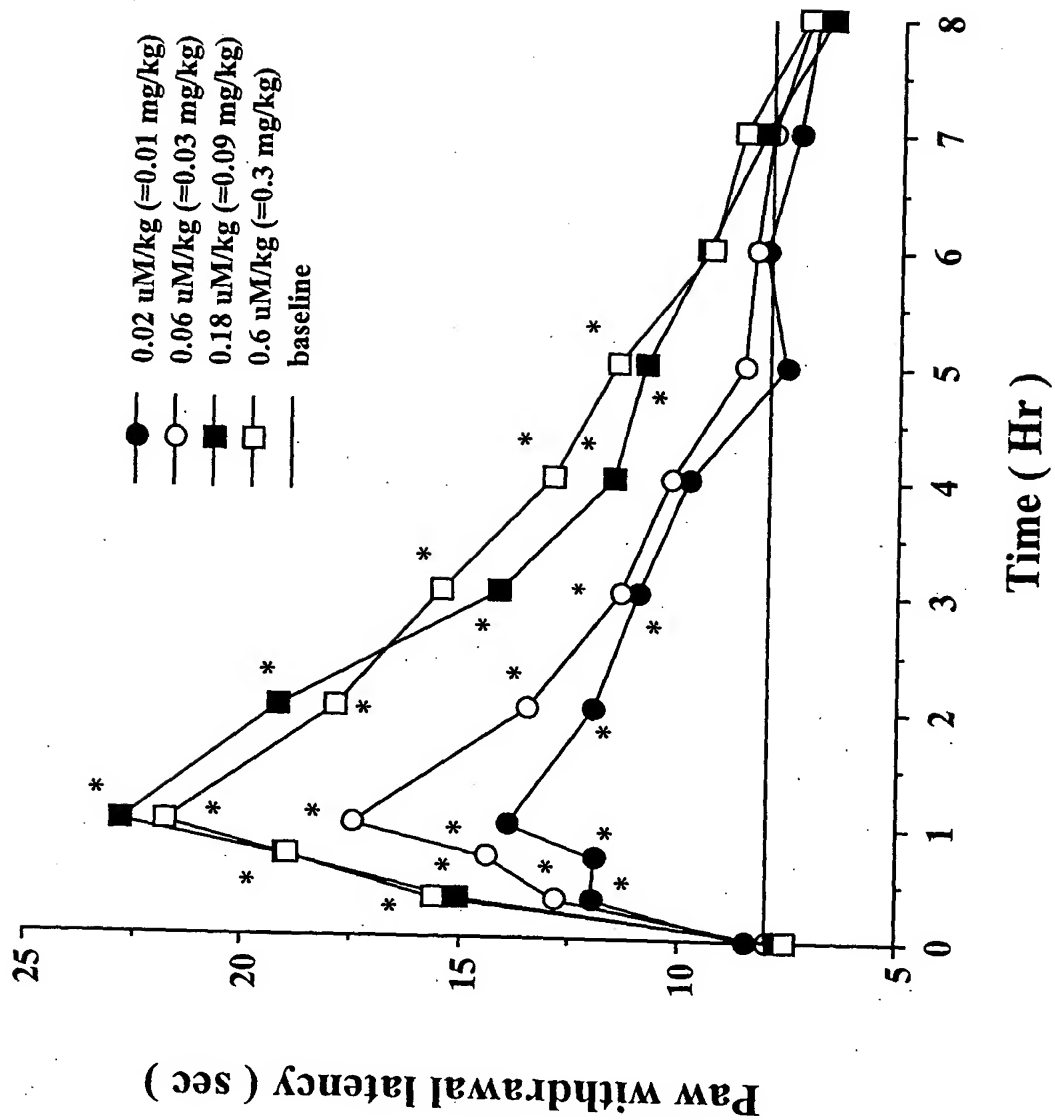


FIG. 19

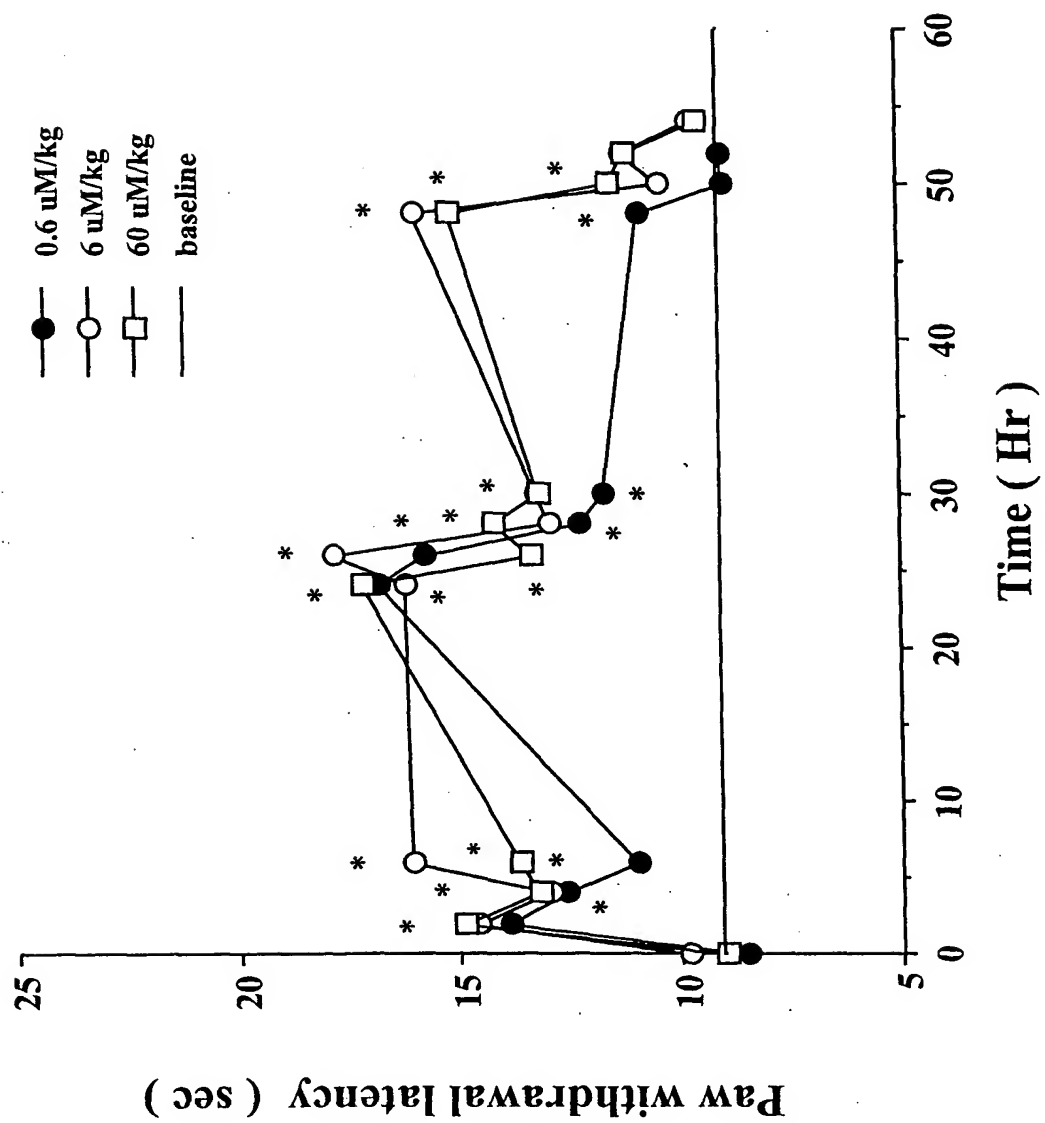


FIG. 20-A

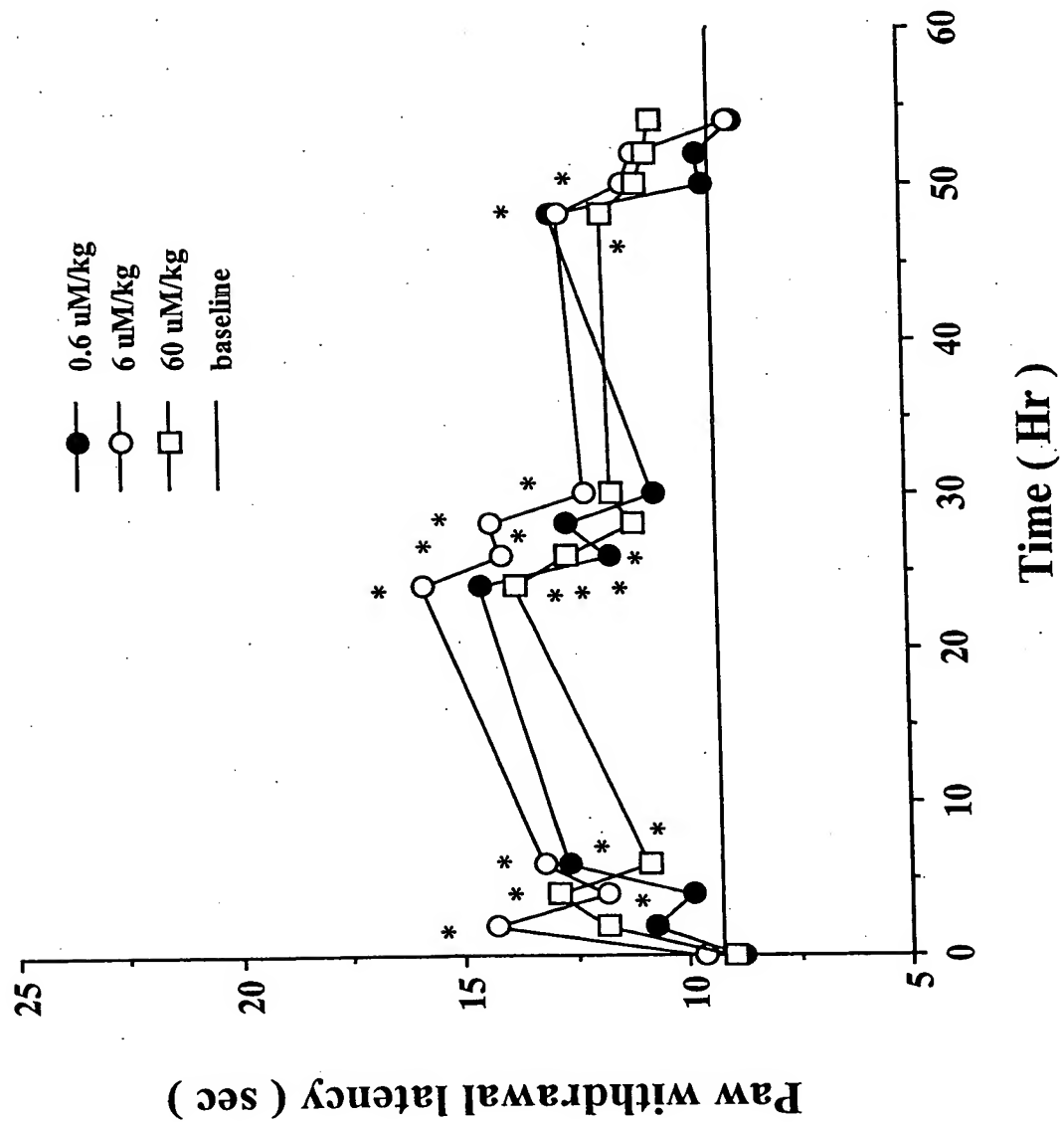


FIG. 20-B

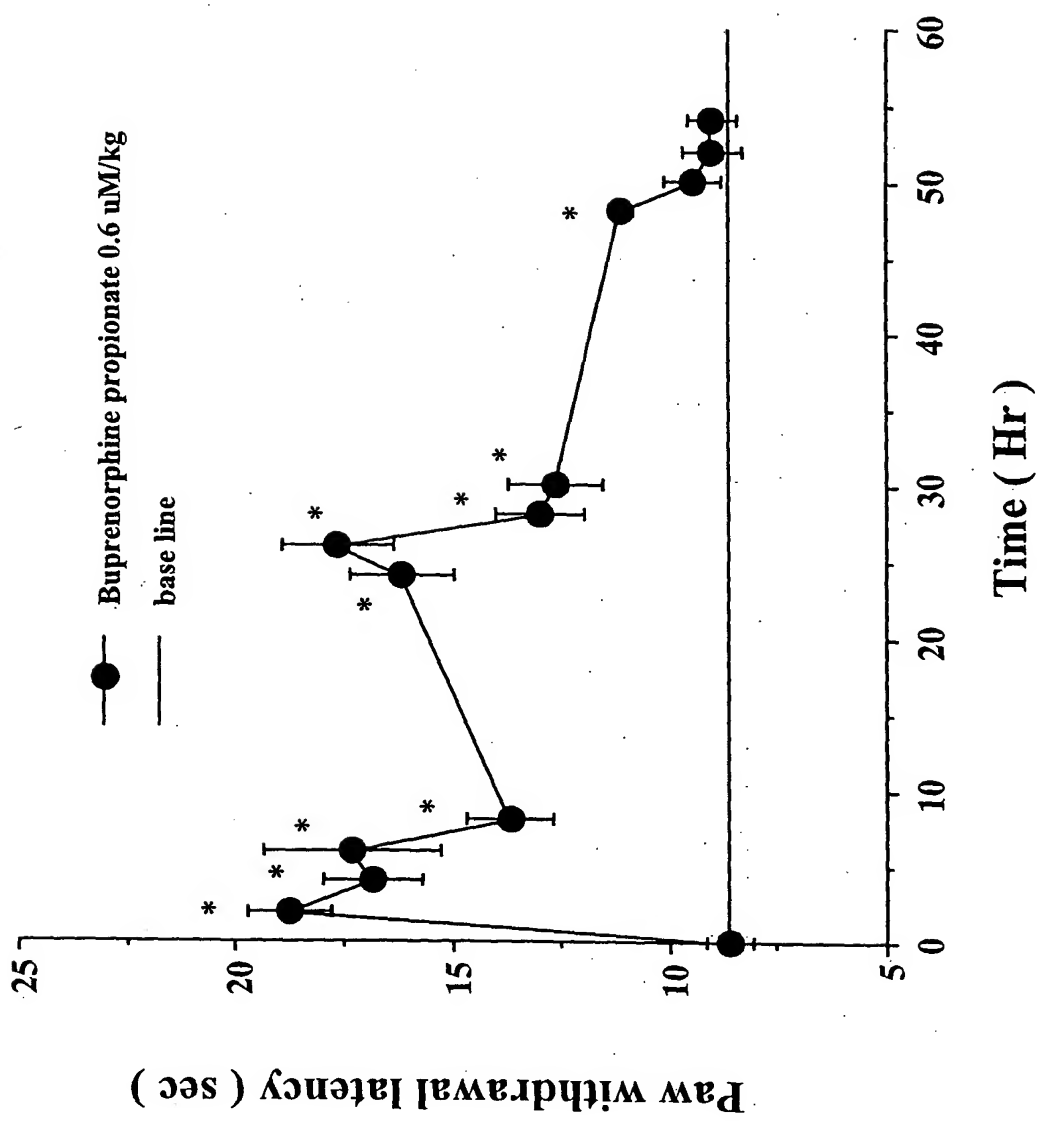


FIG. 21-A

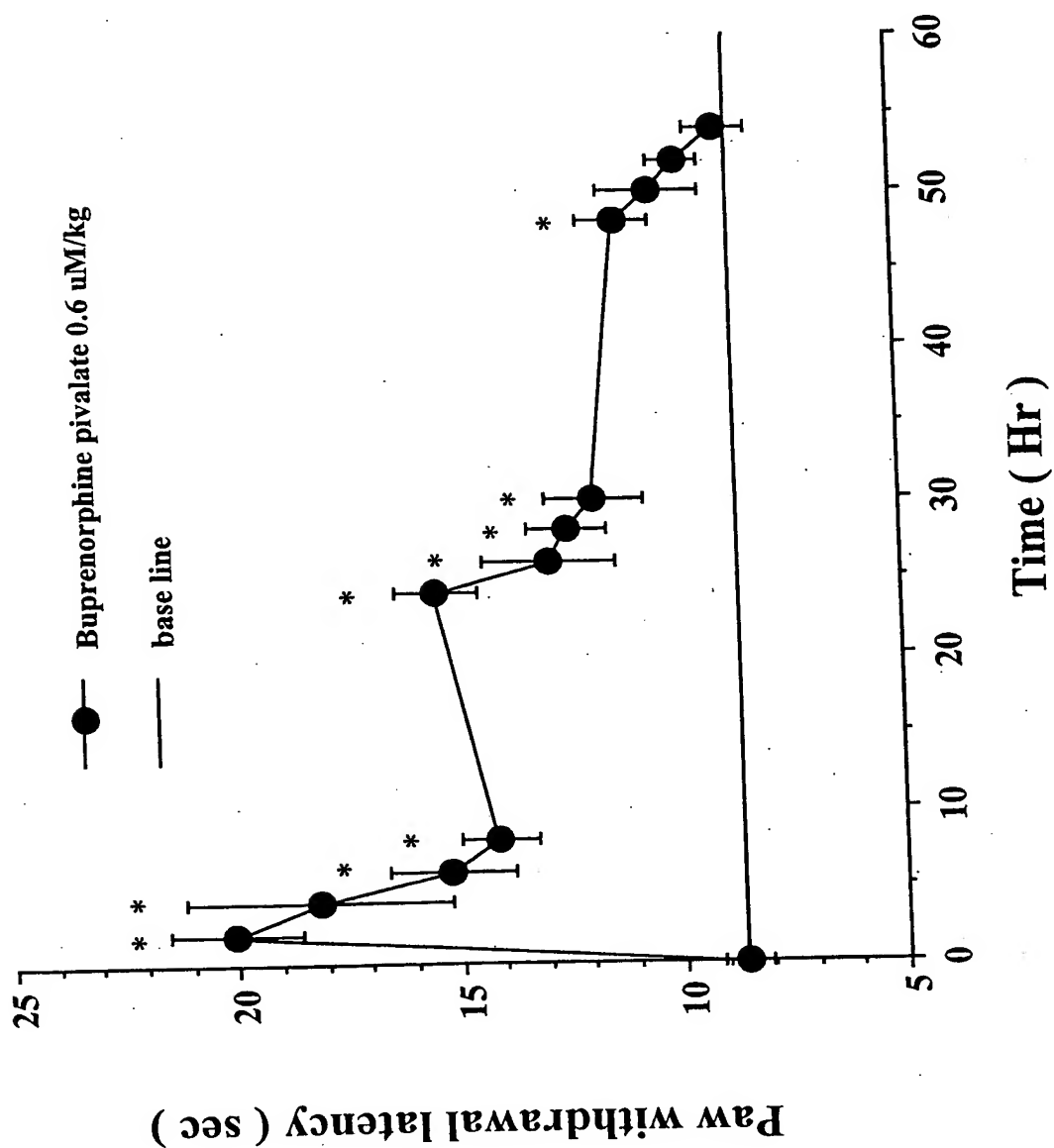


FIG. 21-B

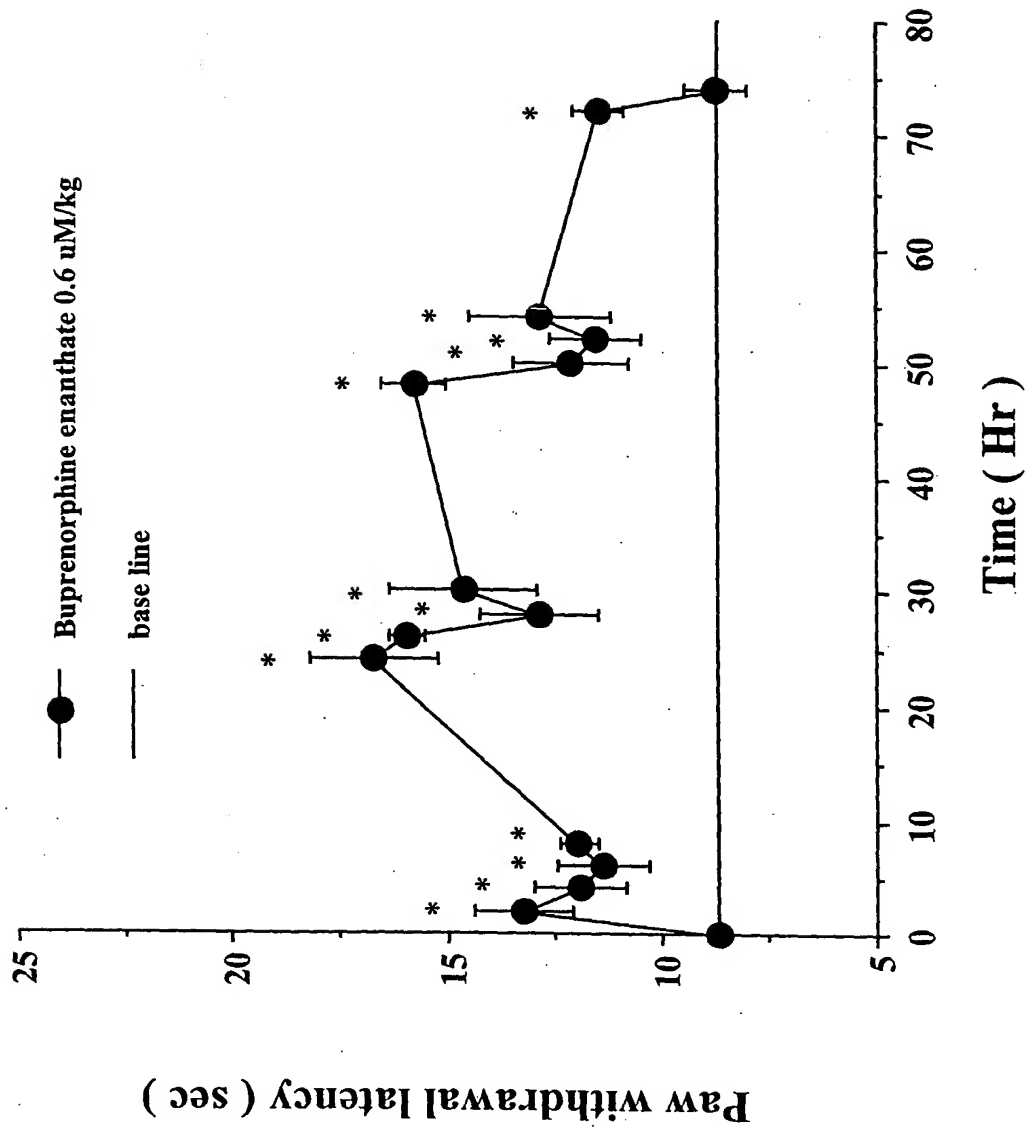


FIG. 21-C

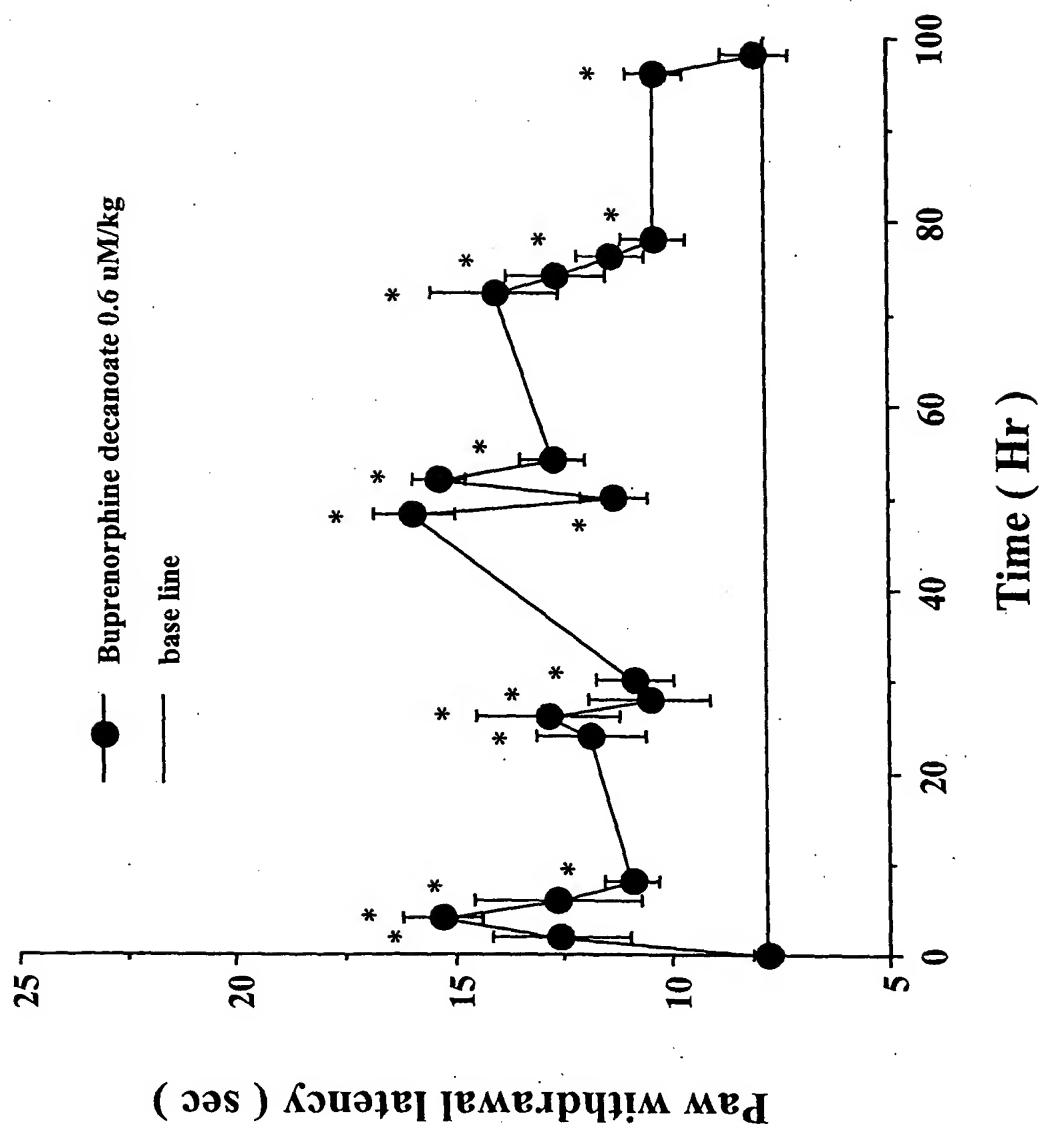


FIG. 21-D

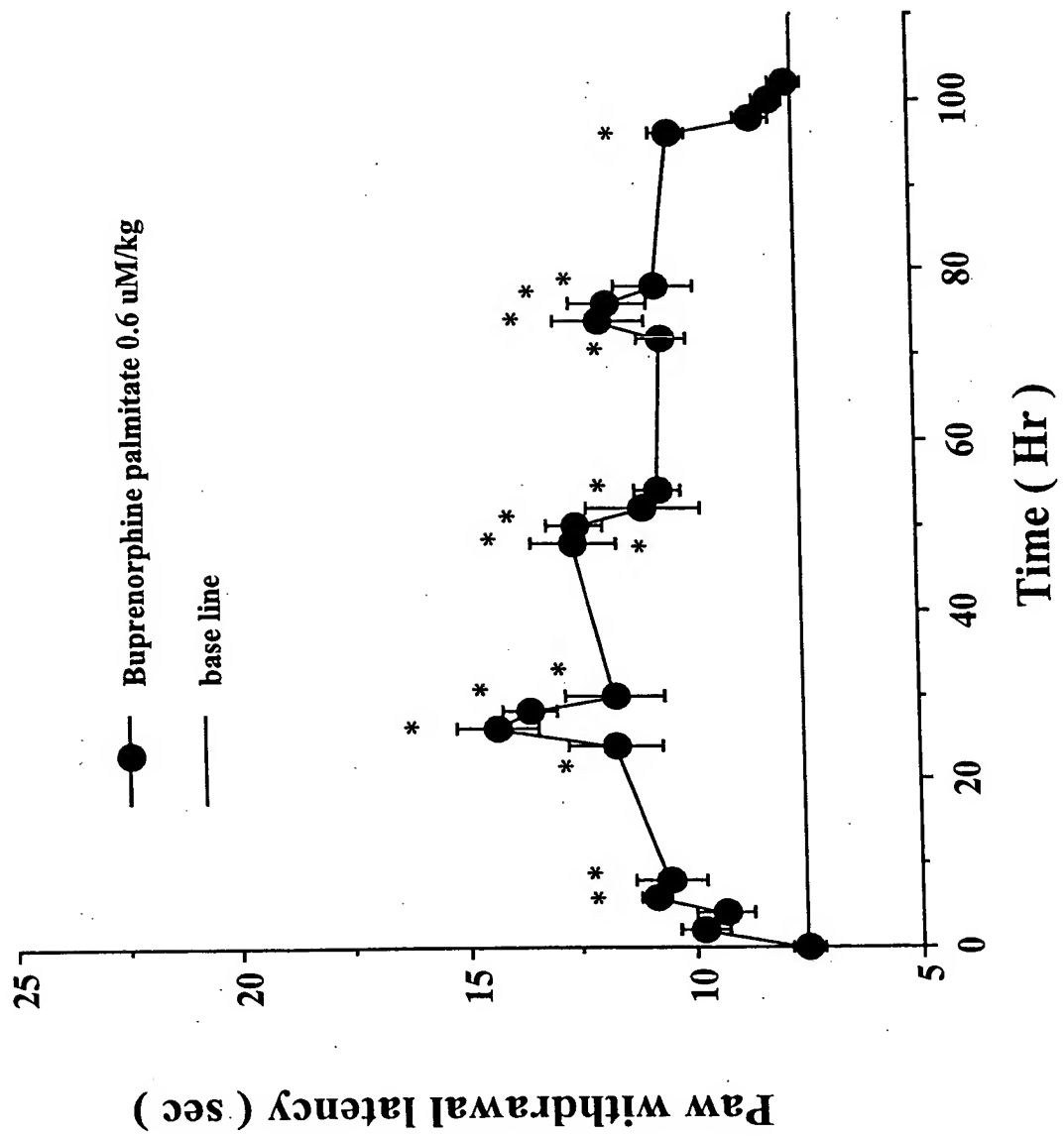


FIG. 21-E

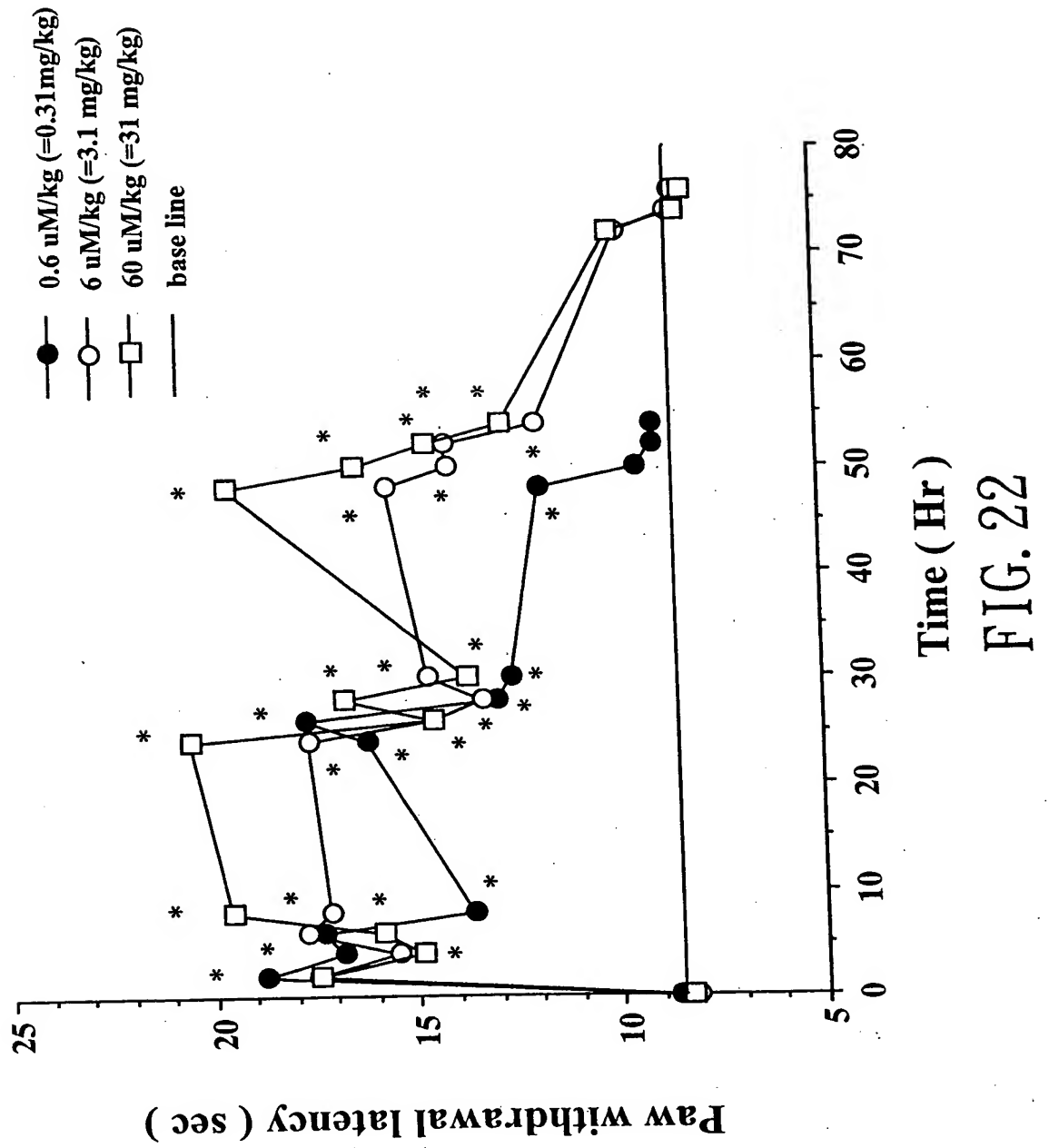


FIG. 22

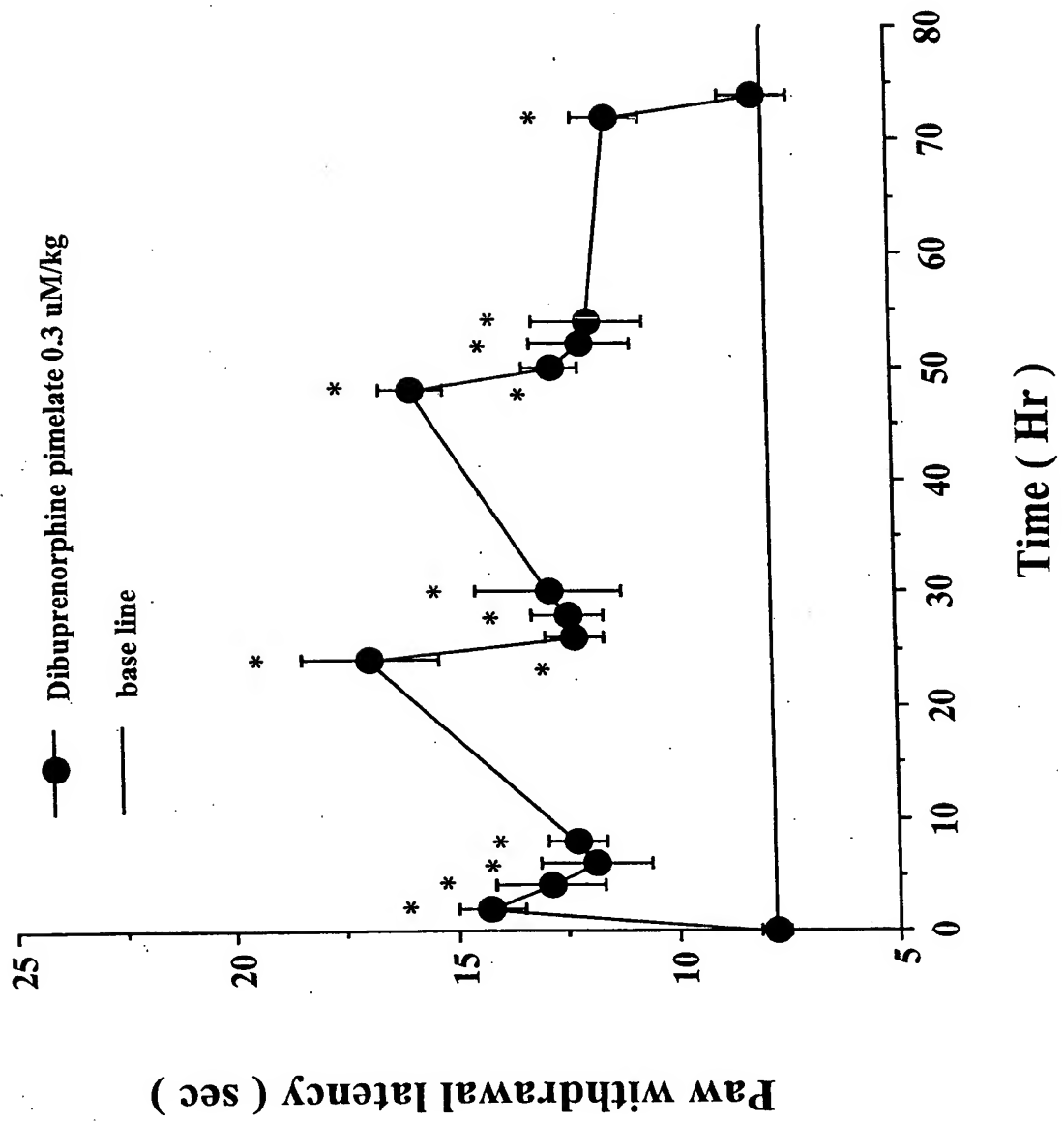


FIG. 23-A

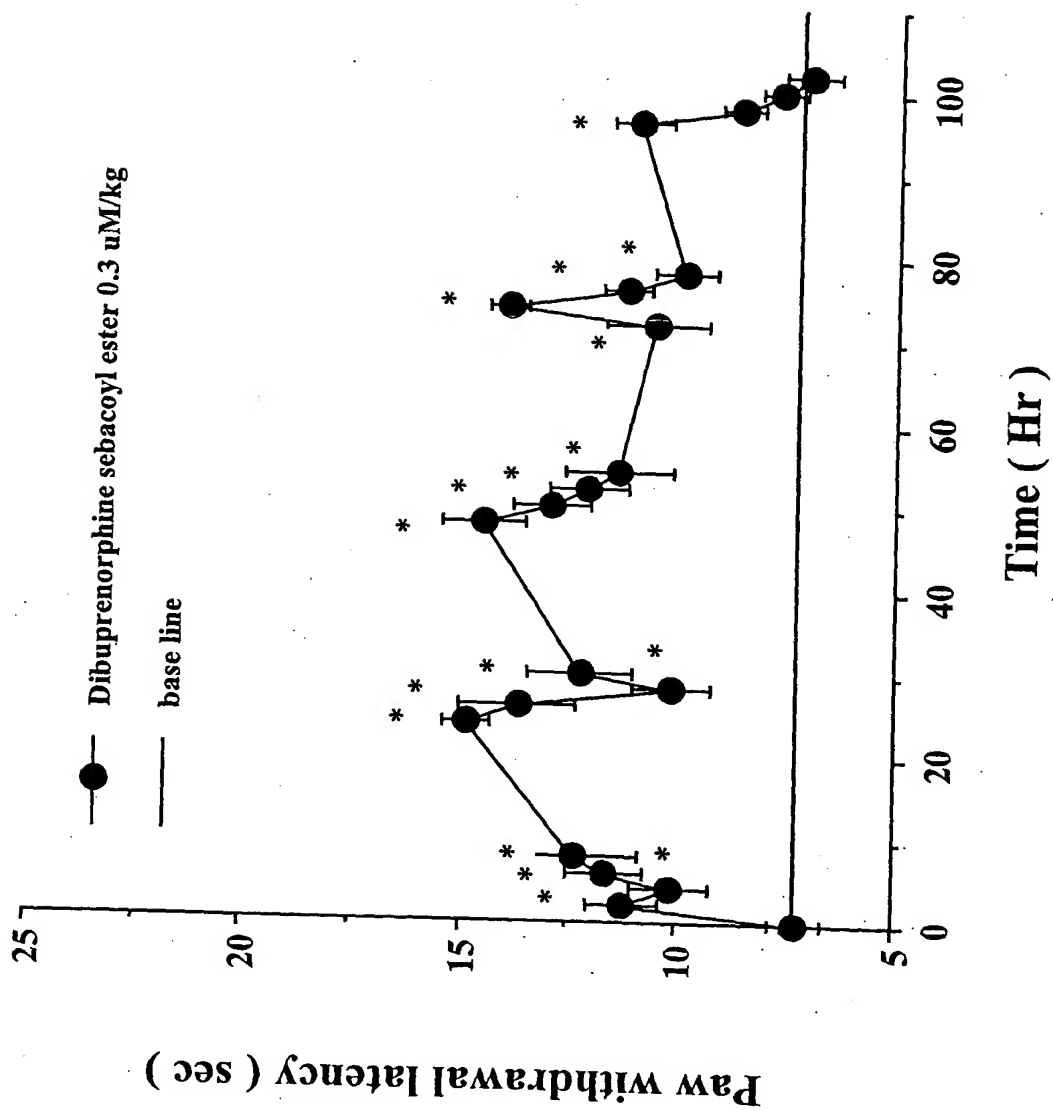


FIG. 23-B